

Figure 2

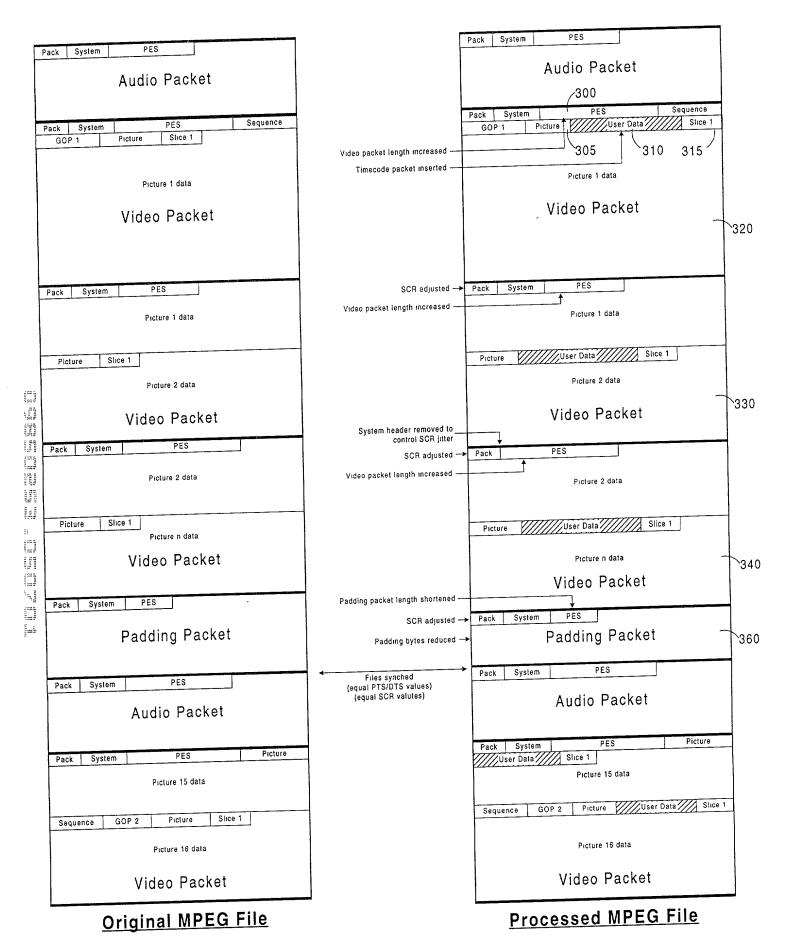
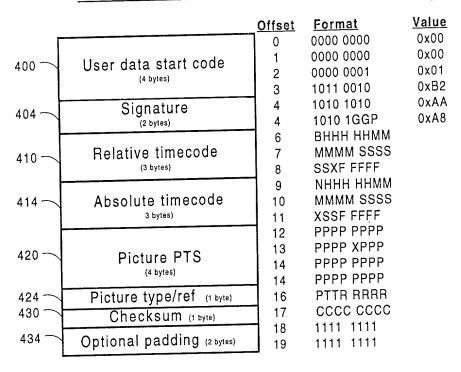


Figure 3

Timecode Packet



Legend

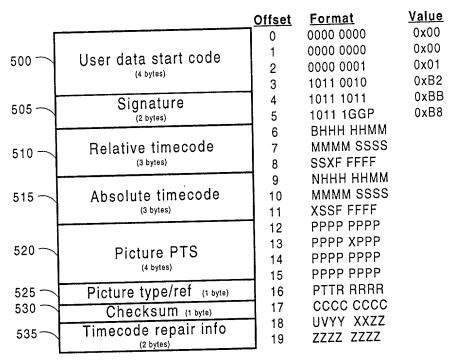
X = Markers	P = PTS
H = Hours	T = Picture type
M = Minutes	R = Picture reference
S = Seconds	C = Checksum
F = Frames	B = Thumbnail taken flag
G = Rights flags	N = No matching hi-res flag

Rights Flags

00 = Full rights 01 = Limited rights 10 = No rights 11 = Rights expired

Figure 4

Introductory Timecode Packet

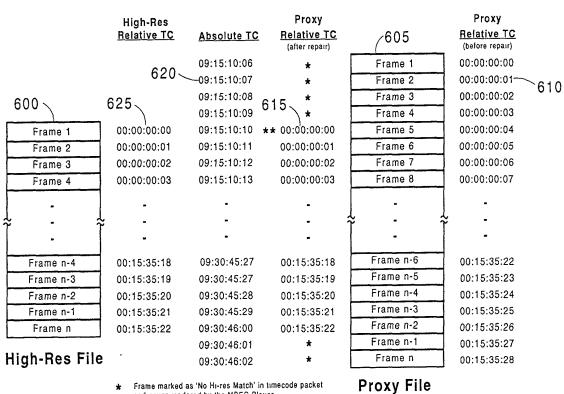


Legend

X = Markers H = Hours M = Minutes S = Seconds	P = PTS T = Picture type R = Picture reference C = Checksum
F = Frames	B = Thumbnail taken flag
G = Rights flags	N = No matching hi-res flag
Y = Timecode flags	U = Truncated proxy start flag
Z = Proxy offset	V = Truncated proxy end flag
Rights Flags	Timecode Type
00 = Full rights	00 = Original source TC
01 = Limited rights	01 = Repaired TC
10 = No rights	10 = House TC

11 = Rights expired 11 = Elapsed TC

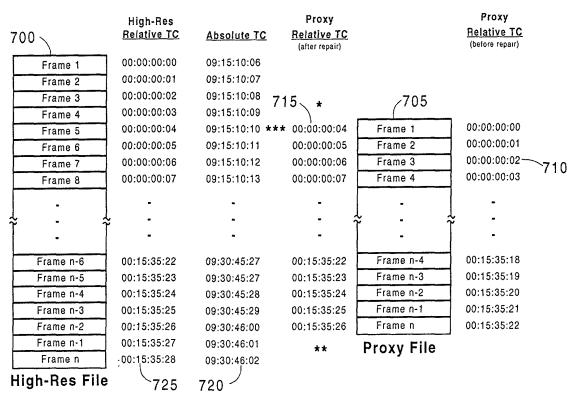
Figure 5



Frame marked as 'No Hi-res Match' in timecode packet and never rendered by the MPEG Player.

Proxy timecode offset = +00 00:00:04

Figure 6



- 'Truncated proxy start' flag set in timecode packet to alert user that not all frames in the high-resolution file can be browsed.
- ** 'Truncated proxy end' flag set in timecode packet
- *** Proxy timecode offset = -00 00.00 04

Figure 7

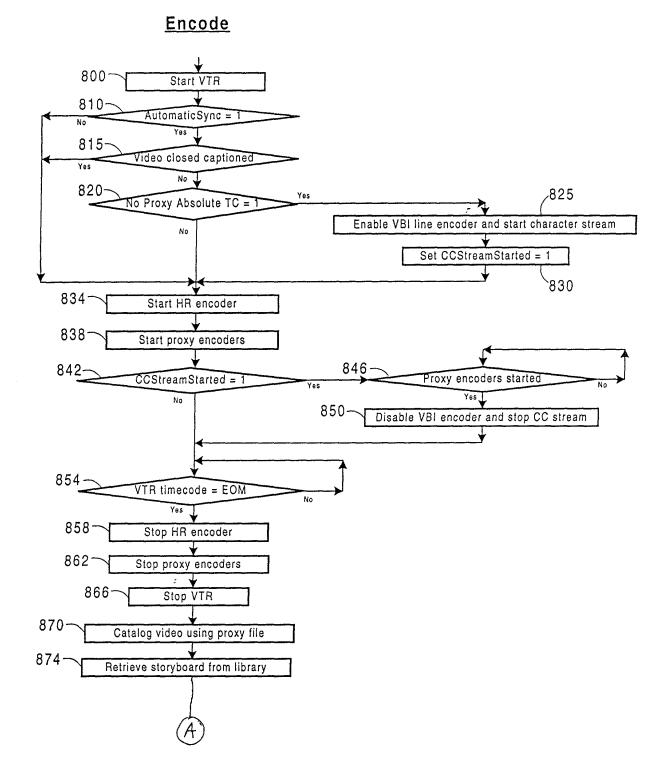
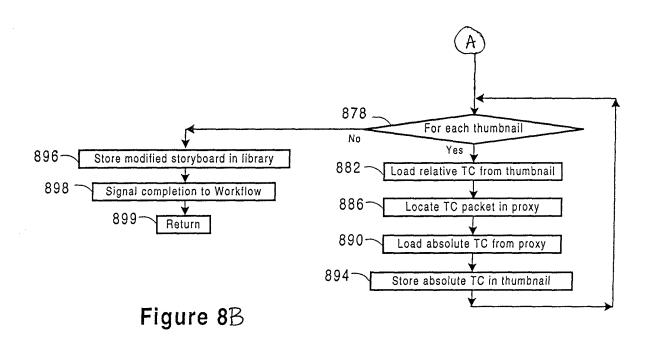
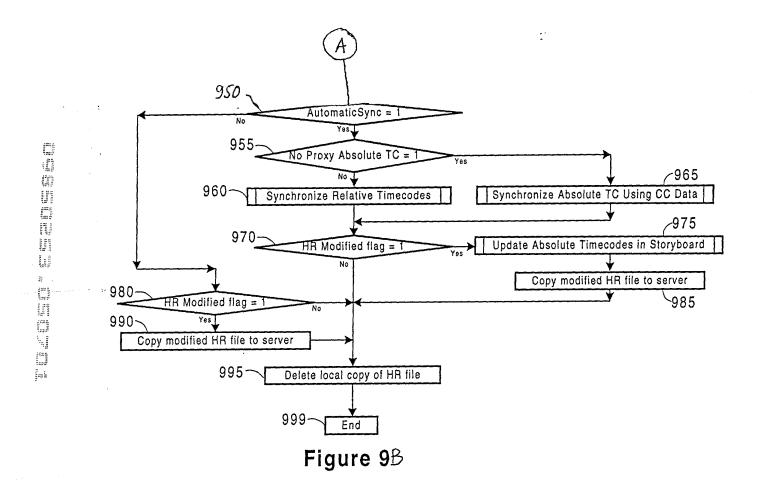


Fig. 8A



Repair/Sync Main Routine 900-Insert introductory timecode packet into first frame of proxy Insert remaining timecode packets into proxy files AutomaticSync = 1 OR 910-No Proxy Absolute TC = 1 OR Repair HR TC = 1 915 Copy HR file from server Repair HR timecode = 1 Check and Repair HR Timecodes No Proxy Absolute TC = 0 AND HR Modified flag = 1 The trade of the party from the trade of trade of the trade of the trade of the trade of trade of the trade of 935-Load first HR absolute timecode Load first proxy absolute timecode Update Proxy Absolute Timecodes END

Fig. 9A



Check and Repair HR Timecodes

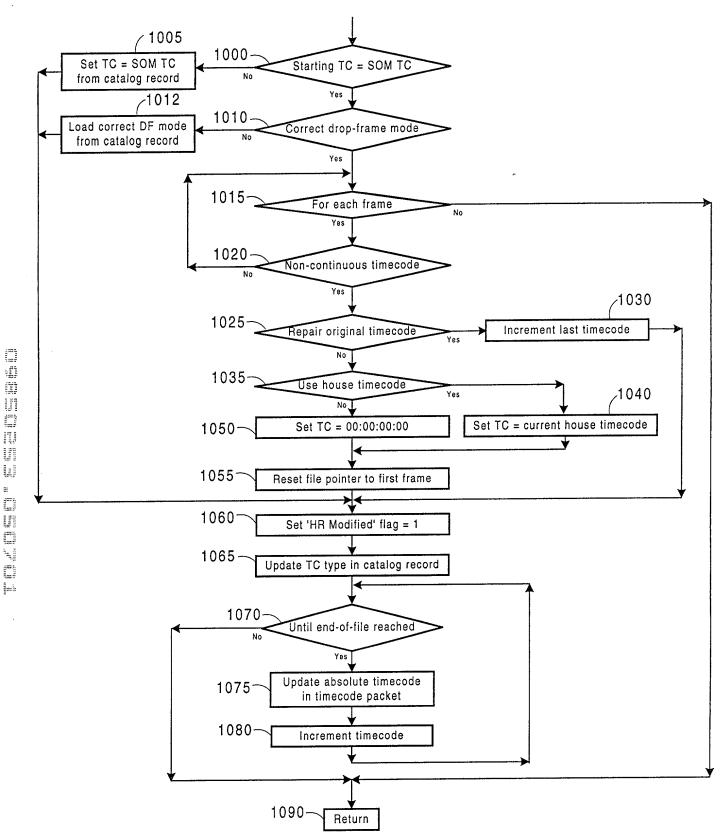


Figure 10

Update Proxy Absolute Timecode

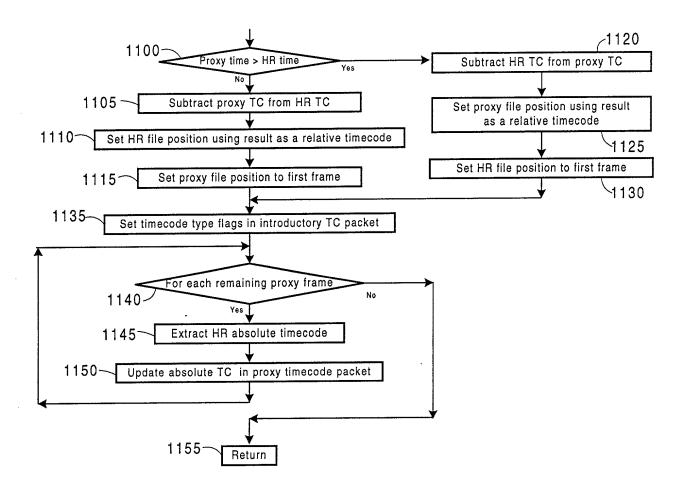


Figure 11

Synchronize Relative Timecode

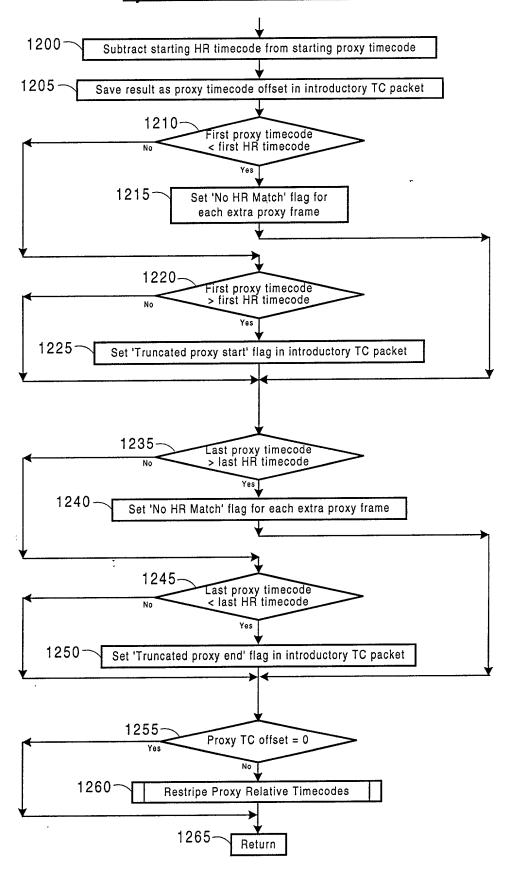


Figure 12

Restripe Proxy Relative Timecodes

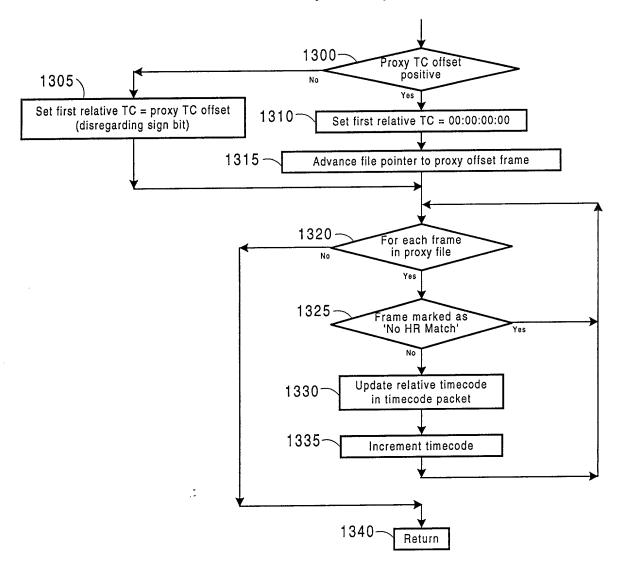


Figure 13

Synchronize Absolute Timecode using CC Data

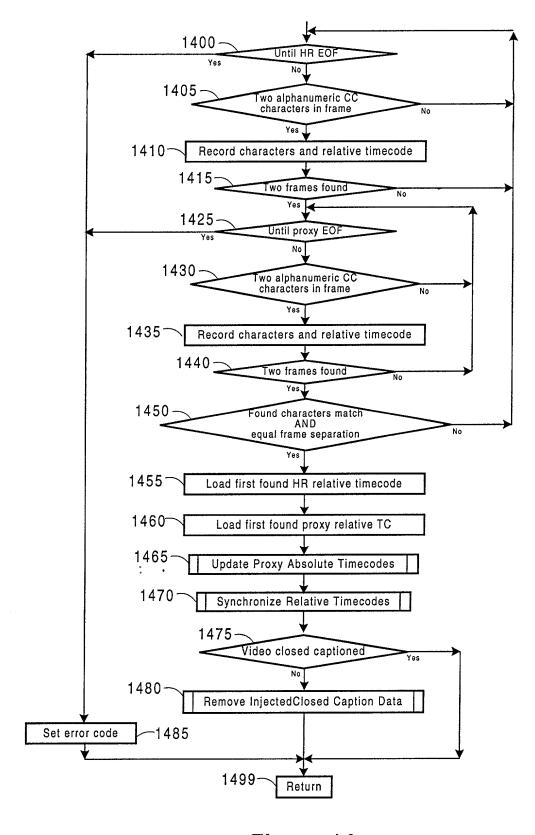


Figure 14

Remove Injected Closed Caption Data

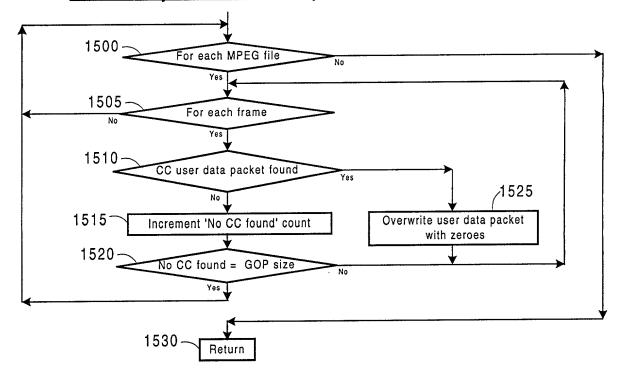


Figure 15A

Update Absolute Timecodes in Storyboard

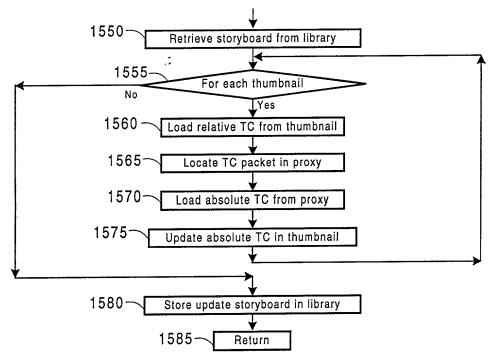


Figure 15B

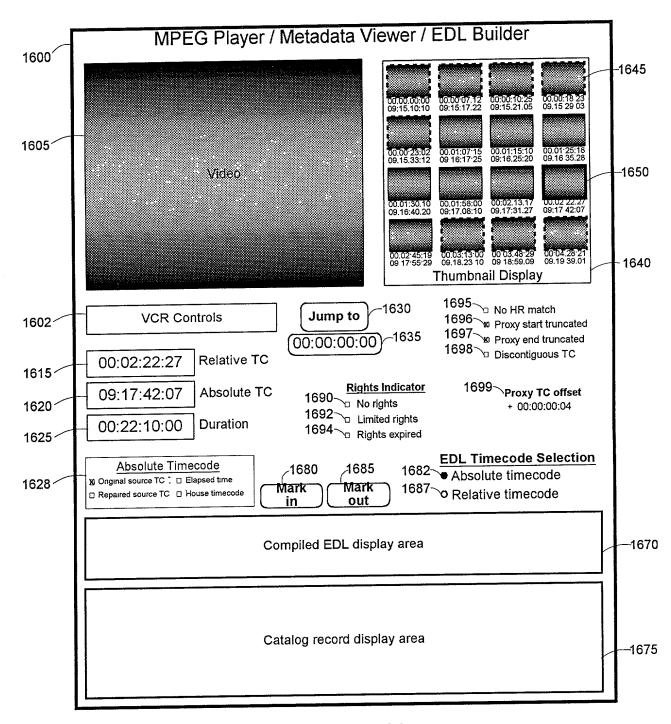


Figure 16

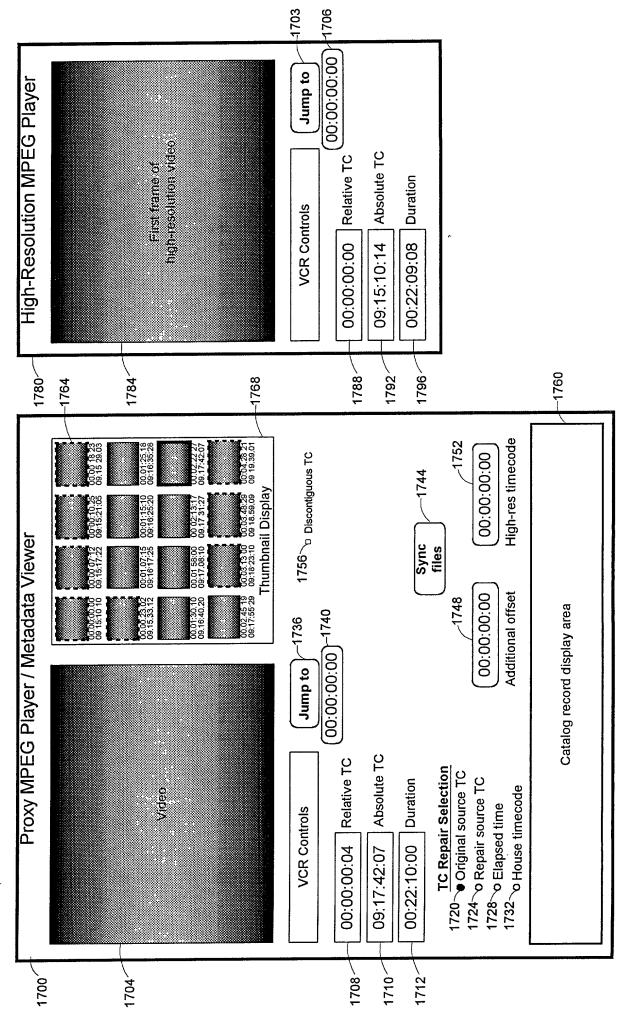


Figure 17